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(54) Title: QUATERNARY ANTIMUSCARINIC COMPOUNDS FOR THE TREATMENT OF BLADDER DISEASES

(57) Abstract: The present invention relates to a method for treating bladder disease, including urinary incontinence, which involves intravesical administration of quaternary antimuscarinic compounds having longer duration of effect and fewer side effects than standard treatments.

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INTERNATIONAL SEARCH REPORT

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International application No.

PCT/US04/00961

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 31/435, C07D 401/00, 451/12
US CL : 514/29, 304; 546/130, 131

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 514/29, 304; 546/130, 131

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,770,738 A (BANHOLZER et al) 23 June 1998 (23.06.1998), see entire documents.	1-23
Y	US 5,610,163A (BANHOLZER et al) 11 March 1997 (11.03.1997), see entire documents.	1-23
Y	US 5,654,314 A (BANHOLZER et al) 05 August 1997 (05.08.1997), see entire documents.	1-23
Y	Database PUBMED on MEDLINE, No. 12137711 HAY-SMITH et al. 'Anticholinergic Drugs Versus Placebo for Overreactive Bladder Syndrome in Adults (Cochrane Review),' abstract, Cochrane Database Syst Rev., 2002, Vol. 3:CD003781.	1-23
Y	Database Google, DAVILLA, G. 'Advances in Anticholinergic Therapy Delivery Systems,' Urology Times, June 2002, pp. 1-2.	1-23

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

STN ONLINE

search terms: bladder disease, urinary incontinency, overreactive bladder, interstitial cystitis, anticholinergic